

275 Mechanic Street WORK SPECIFICATIONS

DATE: 6/6/10

REQUIREMENTS FOR STATE COMPLIANCE AND INTERIM CONTROLS

Requirements for interim controls and de-leading must comply with all applicable laws, regulations and protocol. When working to achieve interim controls or compliance with a lead report and lead inspector provided by the program, the first set of dust wipes, clearance tests, and inspections by the lead inspector will be paid for by the Rehab Program. If the tests fail the first time, the Contractor must pay for any subsequent dust wipes, clearance tests and inspections by the lead inspector required to receive certification of interim controls or compliance. If the tests fail three times, the contractor must hire and pay for another licensed de-leader to achieve interim controls or compliance.

A pre-bid lead inspection report furnished by a licensed Massachusetts lead inspector is to be furnished and wherefore becomes a part and an attachment to the contract specifications. Thoroughly abate areas as listed in this report in compliance with the State of Massachusetts Department of Health and Human Services as well as all State and Federal requirements for de-leading. All lead abatement work must be done by a licensed lead abatement contractor and on completion of the work the contractor must furnish de-leaded compliance certificates and clean all areas of work according to certified and approved methods.

NOTE: The contractor is responsible for reading the lead report and achieving compliance for any item listed as a lead hazard even if it is not specifically listed in the Work Specifications.

SCRAPE AND PAINT LOOSE AND FLAKING PAINT

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Room #3 closet walls sides ABCD.
2. Room #8 floor (include the closet floor).
3. basement stairway brick and stone areas.

Requirements for interim controls and de-leading must comply with all applicable laws, regulations and protocol. When working to achieve interim controls or compliance with a lead report and lead inspector provided by the program, the first set of dust wipes, clearance tests, and inspections by the lead inspector will be paid for by the Rehab Program. If the tests fail the first time, the Contractor must pay for any subsequent dust wipes, clearance tests and inspections by the lead inspector required to receive certification of interim controls or compliance. If the tests fail three times, the contractor must hire and pay for another licensed de-leader to achieve interim controls or compliance.

Scrape all loose and flaking paint off to make surfaces intact to achieve compliance. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore MoorGlo* primer and final coats to all exterior surfaces and Benjamin Moore AquaGlo or AquaVelvet* primer and final coats for all interior surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means "similar or equal with prior written approval from the Rehabilitation Specialist and Owner.

to completely cover. NOTE: Contractor to include scraping and painting **all flaking paint that is loose from the** painted surfaces to achieve compliance (painting includes painting the entire component, surface, or wall edge to edge). Contractor to match the existing paint color as closely as possible..

A pre-bid lead inspection report furnished by a licensed Massachusetts lead inspector is to be furnished and wherefore becomes a part and an attachment to the contract specifications. Thoroughly abate areas as listed in this report in compliance with the State of Massachusetts Department of Health and Human Services as well as all State and Federal requirements for de-leading. All lead abatement work must be done by a licensed lead abatement contractor and on completion of the work the contractor must furnish de-leaded compliance certificates and clean all areas of work according to certified and approved methods.

NOTE: Scraping to make intact means that all flaking paint that is loose is scraped from the surface (sanding is not allowed due to the rules of de-leading and the hazards involved). Surfaces with multiple layers of paint are accepted by the lead inspector as intact when all of the flaking paint that is loose is scraped from the surface. Portions of the flaking paint that remain adhered on the surface are considered intact. After scraping, the deleader primes the surface to seal and provide additional adhesion and protection from the elements. Surfaces made intact are inspected by the lead inspector and receive compliance certification. Please note, the surface paint may retain uneven irregularities, bumps, crevices, checkered or “alligatoring”, old looking paint. The Contractor is not responsible for these irregularities. The contractor is responsible for achieving compliance.

NOTE: The contractor is responsible for reading the lead report and achieving compliance for any item listed as a lead hazard even if it is not specifically listed in the Work Specifications.

PAINT REMOVAL BY SCRAPE/STRIPPING (includes repainting)

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Hallway #1 door jamb side B2.
2. First to second floor stairway stringer.

Requirements for interim controls and de-leading must comply with all applicable laws, regulations and protocol. When working to achieve interim controls or compliance with a lead report and lead inspector provided by the program, the first set of dust wipes, clearance tests, and inspections by the lead inspector will be paid for by the Rehab Program. If the tests fail the first time, the Contractor must pay for any subsequent dust wipes, clearance tests and inspections by the lead inspector required to receive certification of interim controls or compliance. If the tests fail three times, the contractor must hire and pay for another licensed de-leader to achieve interim controls or compliance.

Scrape/strip all paint to bare wood to achieve compliance. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore MoorGlo* primer and final coats to all surfaces according to manufacturer’s recommendations. Contractor to apply as many coats of paint as necessary to completely cover. Contractor to match the existing paint color as closely as possible..

A pre-bid lead inspection report furnished by a licensed Massachusetts lead inspector is to be furnished and wherefore becomes a part and an attachment to the contract specifications. Thoroughly abate areas as listed in this report in compliance with the State of Massachusetts Department of Health and Human Services as well as all State and Federal requirements for de-leading. All lead abatement work must be done by a licensed lead

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means “similar or equal with prior written approval from the Rehabilitation Specialist and Owner.

abatement contractor and on completion of the work the contractor must furnish de-leaded compliance certificates and clean all areas of work according to certified and approved methods.

NOTE: The contractor is responsible for reading the lead report and achieving compliance for any item listed as a lead hazard even if it is not specifically listed in the Work Specifications.

Prepare all surfaces to be painted. Feather all edges where the scraped or stripped paint area meets the existing painted surfaces. Set nails, caulk and fill all imperfections, and apply Benjamin Moore MoorGlo* primer and final coats to all exterior surfaces and Benjamin Moore AquaGlo or AquaVelvet* primer and final coats for all interior surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary to completely cover. NOTE: Contractor to include painting the entire component, surface, or wall edge to edge). Contractor to match the existing paint color as closely as possible.

PAINTING

EXTERIOR PAINT

LOCATIONS LISTED BELOW:

1. Siding for the entire house and additions (non deleading).
2. Trim for the entire house and additions (deleading compliance).

Prepare and scrape areas to be painted according to manufacturer's recommendations. Caulk all gaps, seams, and cracks and apply Benjamin Moore MoorGlo* oil based primer and final coats to all surfaces according to manufacturer's recommendations. Match existing paint color as closely as possible. Contractor to apply as many coats of paint as necessary to completely cover and blend and match existing as closely as possible.

INTERIOR PAINT

Non Deleading

LOCATIONS LISTED BELOW:

1. Walls and ceilings throughout the interior of the house.
2. All of the new baseboards on the second floor.
3. All of the existing painted trim throughout the house (deleading compliance).
4. First floor left front room walls (exclude the existing window and door trim).

Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore AquaGlo or AquaVelvet* primer and final coats to all surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary to completely cover. Contractor to match the existing paint color as closely as possible..

MASONRY

REBUILD MASONRY CHIMNEY

Non Deleading

LOCATIONS LISTED BELOW:

1. Main right side chimney from the roofline up to the top.
2. Left side chimney top 4 feet.

Tear down existing chimney to the structure of the roof system. Rebuild chimney with brick of the same size and

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means "similar or equal with prior written approval from the Rehabilitation Specialist and Owner.

color of existing. Install roof flashing to completely waterproof chimney. Tool joints to match original appearance and match existing mortar as closely as possible in composition and color. New mortar to comply with ASTM specifications. Clean or wash excess mortar from surfaces according to manufacturer's recommendations.

METALS

STEEL BULKHEAD DOOR

Non Deleading

LOCATIONS LISTED BELOW:

1. Rear bulkhead

Remove the existing bulkhead door and frame. Install new concrete mortar as required to prep for a new bulkhead door. Install new treated lumber 2x stock sized to match the width of the bulkhead door foundation wall top. Install a new Bilco * Classic Series Steel Sided bulkhead door and frame according to manufacturer's instructions (include extension if required). Contractor to install new treated lumber 2x10 stairs treads. Door and stringers shall be packaged assemblies available from lumber and building supply dealers. Basement Door assembly shall be constructed of .090 - .100 thickness steel with Torsion Cam Lift System. Basement Door (and extension if specified) shall have flow-coated and baked-on factory prime finish and shall be furnished complete with hardware assembly bolts and anchors for securing to masonry. Installation shall be in accordance with manufacturer's instructions. Contractor to apply finish coat of Benjamin Moore* or California* alkyd outdoor enamel to all interior and exterior surfaces after installation (exclude the hardware). Owner to select from standard in stock colors. Contractor to provide to the owner a one year material and labor warranty on the new bulkhead door. Manufacturer shall supply a twenty-five year warranty against defects in material and workmanship of the product only. Installation shall be in accordance with manufacturer's instructions. Owner to deal directly with the manufacturer after the contractor's one year warranty has expired.

CARPENTRY

NEW BASEBOARD

Non Deleading

LOCATIONS LISTED BELOW:

1. All second floor rooms.

Install and paint new finger jointed baseboard according to the manufacturer's instructions. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore AquaGlo or AquaVelvet* primer and final coats to all surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary to completely cover. Match the existing colors.

CAP AND PAINT BASEBOARD OUTSIDE CORNERS

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Room #3 closet sides ABCD.
2. Hallway #2 sides ABCD (include the closet side A1).
3. First to second floor stairway sides ABCD.

Cap and paint baseboard with wood molding; strip outside corners to achieve compliance. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore AquaGlo or AquaVelvet*

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means "similar or equal with prior written approval from the Rehabilitation Specialist and Owner.

primer and final coats to all surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary to completely cover. Match the existing colors.

NEW SHELVES

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Room #7 closet side A1.
2. Hallway #2 closet side A1.

Install and paint new #1 clear pine wood shelves and shelf supports. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore AquaGlo or AquaVelvet* primer and final coats to all surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary to completely cover. Match the existing colors.

BASEMENT STAIRS & RAILINGS

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Basement stairs.

Construct stairs with (4) 2x12 treated lumber stringers. Stairs shall be designed so that all risers shall be the same measurement between 7 and 7 ½ inches high, and all treads shall be the same measurement between 10 and 11 inches deep. Allowable variance for adjacent risers and treads shall be no more than 3/16 of an inch. Stairs must comply with all building codes and come complete with approved APA rated plywood for a minimum ¾ inch tread and a minimum ½ inch riser.

Install basement railings using Coffman* Oak wall rail C-6040. Tie into wood, masonry, or concrete using manufacturer's recommended wall rail brackets. Install according to manufacturer's recommendations, and in compliance to all building codes.

Note: Remove all of the boards, shelves, supports that are hazardous lead.

PULL DOWN ATTIC STAIRWAY (at existing location)

Non Deleading

LOCATIONS LISTED BELOW:

1. Attic ceiling access existing location.

Install a new pull down attic stair manufactured by Memphis*, Marwin*, American Stairways, Inc. model Husky*, or Bessler Stairway Company* according to manufacturer's recommendations at the existing location. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore AquaGlo or AquaVelvet* primer and final coats to all surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary to completely cover. Match the existing colors.

REPLACE ROTTEN EXTERIOR WOOD TRIM (prepped for paint)

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Entire house and additions.

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means "similar or equal with prior written approval from the Rehabilitation Specialist and Owner.

Replace the rotten fascia, soffit, rake, corners boards freeze boards, window and door trim, moldings, wood trim on the entire main house and additions prepped for paint.

NOTE: include repairing and patching the front porch ceiling areas. Include prep and paint for the entire front porch ceiling.

REPLACE ROTTEN EXTERIOR WOOD SHINGLES (prepped for paint)

Non Deleading

LOCATIONS LISTED BELOW:

1. Entire house and additions.

Replace the white cedar shingles according to the manufacturer's instructions prepped for paint. Contractor to include replacing 560 sf of siding in the base bid.

WIDE RAILINGS SYSTEM FRONT PORCH COLUMNS, RAILINGS, AND BALUSTERS

Non Deleading

LOCATIONS LISTED BELOW:

1. Front porch railings and stairs

Install and paint a new Mainstreet* wide railing system including newel posts, caps, spindles, top rail, top rail cap, bottom rail, support columns, deck band boards, stair skirt boards, etc. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore AquaGlo or AquaVelvet* primer and final coats to all surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary to completely cover. Match the existing colors.

EXTERIOR STAIRS

Non Deleading

LOCATIONS LISTED BELOW:

1. Front porch stairs.

Remove the existing stairs, railings, footings, and pads. Install new treated lumber framed stairs. Construct stairs with 2x12 treated pine stair stringers 16 inches on center. Stairs shall be designed so that all risers shall be the same measurement between 6 and 7 ½ inches high, and all treads shall be the same measurement between 10 and 11 inches deep. Allowable variance for adjacent risers and treads shall be no more than 3/16 of an inch. Stairs must comply with all building codes. Install footings below the frost line. Install 5/4-inch Trex* treads and risers. Include installing white trex 1x12 to cover the exterior sides of the stair stringers.

NOTE: Bottom stair tread must be composite lumber. Terminate the stair stringers on a monolithic concrete pad with a nominal thickness of 3-inches. The top of the pad to be ½ -inch to 1-inch higher than the adjacent ground or surface.

TREATED LUMBER NOTE: Fasteners and hardware for treated lumber applications must comply with the following:

1. Lag bolts must be hot dipped and have a galvanized rating of G-90.
2. Joist hangers and metal connectors must have a galvanized coating equal to G-185. Simpson's ZMAX line and USP Structural Connector's Triple Zinc line are both rated G-185. Nails used for fastening the joist hangers and metal connectors must be hot dipped and have a galvanized rating of G-90.
3. All flashing must be York Flashing* (copper coated with a paper backing) or Polyglass Q* (copper coated with an ice and water shield backing).
4. Stainless steel screws must be used to fasten the decking, railings, balusters, treads, risers, etc. Use the stainless steel screws that reverse the thread and pull the screw head down flush with the face of the material.
5. All treated lumber framing components fastened with a framing gun using power actuated wire collated and coil nails must use Bostitch* Thickcoat* nails that are specifically designed for lumber treated with Alkaline Copper Quaternary (ACQ).

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means "similar or equal with prior written approval from the Rehabilitation Specialist and Owner.

EXTERIOR DECKING

Non Deleading

LOCATIONS LISTED BELOW:

1. Entire front porch decking.

Remove the existing deck platform decking. Install new 5/4-inch trex* decking according to the manufacturer's instructions.

FLOORING

BURBER CARPETING

Non Deleading

LOCATIONS LISTED BELOW:

1. First floor left rear room.
2. First floor front right room.
3. First floor front left room.
4. First to second floor stairway.
5. Second floor hallway.
6. Second floor bedrooms.
7. First floor entry hallway (exclude the new ceramic tile area at the doorway).

Install Burber carpet manufactured by Alladin style Powerhouse with an 8 pound padding according to manufacturer's recommendations. Prepare floor so surface is flat and smooth. Install coated screws in the treads and risers as necessary to eliminate squeaks and deflection. Provide all adhesives, edge trim, and materials required to complete the job. Owner to choose from available colors and patterns.

Note: Include installing 3/8-inch plywood underlayment on the front left room prepped for the new carpet.

FLOOR TILE

Non Deleading

LOCATIONS LISTED BELOW:

1. First floor entry hallway at doorway 5 feet out from the door (remaining hallway to be carpeted).

Remove the existing floor tile and prep for new tile. Install new ceramic or stone flooring according to the manufacturer's instructions. Contractor to include a material cost of \$ 6.00 dollars a square foot for the material cost of the floor tile (this does not include the cost for grout, mastic, trim, accessories, etc.). This does not include the cost for labor.

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means "similar or equal with prior written approval from the Rehabilitation Specialist and Owner.

DOORS

INSULATED METAL OR SOLID CORE WOOD BASEMENT DOOR

Non Deleading

LOCATIONS LISTED BELOW:

1. Basement exterior door.

Remove and legally dispose of the exterior basement door. Remove existing frame and install a new treated lumber rough frame mortared in and secured to the foundation walls with galvanized expansion bolts. Install and paint a new pre-hung 1 ¾ inch exterior solid core wood door cut to fit the opening or an insulated pre-hung metal exterior door cut to size at the factory. Install exterior hinges, passage lockset, deadbolt, weather-stripping, threshold, and Seal all edges before painting the door.

NOTE: Includes custom size of door and frame if required

BI-FOLD LOUVER DOOR

Non Deleading

LOCATIONS LISTED BELOW:

1. Second floor hallway closet door.

Install and paint a Brosco* bifold pine louver door model B-812. Contractor to consult with homeowner to determine desired width and modify existing opening to frame in the rough opening. Include installing and painting the jamb and casings.

SIX PANEL SOLID CORE MASONITE BOARD INTERIOR DOORS

Deleading compliance

LOCATIONS LISTED BELOW:

1. Basement/laundry area side C1.
2. (5) all of the second floor doors (exclude the hallway bi-fold).

Remove and legally dispose of interior door units to be replaced. Install new Brosco * 6 paneled solid core masonite door units (wood grain or smooth) to be prehung with finger jointed pine-split jambs and casings(2 sides). Include brass-tone hinges (3), and doors prepped for lockset. Locksets to be Schlage* and Owner to have choice of passage or privacy locks. The finish of the hardware to match the finish of the locksets. Prepare all surfaces to be painted. Set nails, caulk and fill all imperfections, and apply Benjamin Moore AquaGlo or AquaVelvet* primer and final coats for all interior surfaces according to manufacturer's recommendations. Contractor to apply as many coats of paint as necessary to completely cover. Owner to choose from available colors.

STORM DOORS (Emco Deluxe Triple Track)

Non Deleading



275 Mechanic Street Work Specifications

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means “similar or equal with prior written approval from the Rehabilitation Specialist and Owner.

LOCATIONS LISTED BELOW:

1. Front entrance to the house.

Install a white pre-hung Emco Deluxe Triple Track Screen storm door shown on the right above. Materials to be installed in conformance with manufacturer's recommendations. Consult with the Owner to verify the direction or swing of the door before ordering or installation. Install the storm door according to the manufacturer's instructions. Hang the door plumb and true to the opening to insure the proper fit and operation of the quad seal around the door.

SOLID VINYL SLIDING PATIO DOOR

Non Deleading

LOCATIONS LISTED BELOW:

1. Right side egress door.

Remove and legally dispose of any door specified to be replaced by a new door installation. Replace the exterior sliding door with a Harvey* solid vinyl sliding patio door unit. The door unit shall be pre-hung, including the sliding door frame, inside and outside trim (finished), an aluminum threshold, low E glass, tempered safety glass, compression weather-stripping, hardware, latch and key. Provide new interior door trim (painted or stained) on the inside of the new prehung unit. Insulate around the perimeter of the door openings prior to the installation of the new sliding door unit. Contractor shall include all labor and materials necessary to complete the job. Provide solid blocking between door casing and the rough opening door frame.

WINDOWS

VINYL REPLACEMENT WINDOW UNITS (U value of 0.30 or better & energy Star qualified)

Deleading Compliance

LOCATIONS LISTED BELOW:

- 1. Exterior side B1.**
- 2. Bathroom windows sides C1,D1,D2.**

Remove all existing non-vinyl sashes, balances, weights and pulleys. Install new Stergis Alliance* Hawthorn series, Paradigm Tapestry series, or Alside Sheffield Series white vinyl replacement windows (match existing type i.e. casement, slider, awning, double hung with sash tilt-in, etc.). Match the existing pattern of sash mullions (for example 6 over 6, or 6 over one, or one over one). Include fully welded vinyl sash and frame, half screens, Low E glass, argon gassed filled insulated glass, weather stripping around the perimeter of the sash, security latches, constant force balance system, sloped sill, cam action sash locks, and vent latches. Include the warm edge spacer ClimaTech Plus with Edgetech's SST Spacer System (equal to Super Spacer manufactured by Edgetech I.G., Inc.) for the Alside Sheffield windows, and the Duraseal* high performance warm edge spacer

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means "similar or equal with prior written approval from the Rehabilitation Specialist and Owner.

manufactured by TruSeal Technologies, Inc. for the Stergis Alliance* Hawthorn Series and Paradigm Tapestry Series windows. All windows must have a U value of 0.30 or better.

Install minimal expansion polyurethane foam in all the perimeter window cavities between the window frame and the rough opening prior to installing trim. If the interior window casings are removed to install the new window, the contractor must paint all of the interior window header, interior stops, casings, sill, and apron. If any of the trim is damaged as a result of removal, the contractor must provide, install, putty and paint new trim to match the existing damaged trim as closely as possible. In addition, if the interior window casings are removed to install the new window, the contractor is responsible for associated wall patch/ repair and paint touch-up for any damaged areas resulting from the removal of the casings. Install coil stock on the exterior window trim after removing any storm windows. Install windows per manufacturer's recommendations and include all labor materials and equipment to complete the job.

NOTE: All windows must be Low-E/Argon gas filled Thermopane windows and have a U value of 0.35 or better. Energy Star Program standards require a U-value of 0.35 or better.

NOTE: Replacement windows change the window size slightly which might require the Owner to install new blinds and/or draperies. The Owner is responsible for all associated costs for new blinds and/or draperies.

NOTE: A U value of 0.30 is better than a U value of 0.35. Contractor must notify the Rehabilitation Specialist in writing if requirements for tempered glass preclude any window from qualifying for the Energy Star Program prior to placing the order or proceeding with the work.

BASEMENT WINDOWS (U value of 0.30 or better & energy Star qualified)

VINYL REPLACEMENT WINDOW UNITS (U value of 0.30 or better & energy Star qualified)

Deleading Compliance

LOCATIONS LISTED BELOW:

1. Basement sides D1,A1.

Grout basement window openings and frame with treated lumber. Install white anodized coil stock on the exterior of the new treated lumber frames. Install new Stergis Alliance* Hawthorn series, Paradigm Tapestry series, or Alside Sheffield Series white vinyl replacement hopper basement windows. Include Low E glass, argon gassed filled insulated glass, weather stripping around the perimeter of the sash, security latches, cam action sash locks, and vent latches. Include the warm edge spacer ClimaTech Plus with Edgetech's SST Spacer System (equal to Super Spacer manufactured by Edgetech I.G., Inc.) for the Alside Sheffield windows, and the Duraseal* high performance warm edge spacer manufactured by TruSeal Technologies, Inc. for the Stergis Alliance* Hawthorn Series and Paradigm Tapestry Series windows. All windows must have a U value of 0.30 or better. Install minimal expansion polyurethane foam in all the perimeter window cavities between the window frame and the rough opening prior to installing trim. If the interior window casings are removed to install the new window, the contractor must paint all of the interior window header, interior stops, casings, sill, and apron. If any of the trim is damaged as a result of removal, the contractor must provide, install, putty and paint new trim to match the existing damaged trim as closely as possible. In addition, if the interior window casings are removed to install the new window, the contractor is responsible for associated wall patch/ repair and paint touch-up for any damaged areas resulting from the removal of the casings. Install coil stock on the exterior window trim after removing any storm windows. Install windows per manufacturer's recommendations and include all labor materials and equipment to complete the job.

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means "similar or equal with prior written approval from the Rehabilitation Specialist and Owner.

NOTE: All windows must be Low-E/Argon gas filled Thermopane windows and have a U value of 0.35 or better. Energy Star Program standards require a U-value of 0.35 or better.

PLUMBING

BATHROOM VANITY, SINK & WATER FAUCET

Non Deleading

LOCATIONS LISTED BELOW:

1. Bathroom.

Install a CraftMaid * vanity sink base cabinet Elite series White Laminate Glacier Bay, Elite Series Birch Pearl Finish Tiffany or Monroe, or Elite Series Honey Spice Finish Noble oak or Ethan Hall (Owner to choose). Install a new one-piece vanity counter and sink. Include a Delta model number 2522 polished chrome water faucet with hot and cold mixing valves. Tie in all plumbing including the waste line, and the hot and cold feed lines.

ELECTRICAL

CARBON MONOXIDE ALARM

ALLOWANCE: Not to exceed \$ 59.00 dollars for each separate device.

Non Deleading

LOCATIONS LISTED BELOW:

1. One on the second floor in the hallway outside the bedrooms.
2. One in the basement.

Install Kidde AC Wire-In Carbon Monoxide Digital Display Alarm model KN-COP-IC Part number 900-0121.as directed by the Fire Department. Contractor to obtain approval for type and location of alarm devices from the Fire Department prior to the commencement of work. Installation shall conform to the provisions set in the NFPA most current code and ordinances, as well as all State and local codes. Exposed wire mold, conduit or piping is not allowed unless approved in writing by the Rehabilitation Specialist. Contractors to provide an allowance not to exceed the allowance listed above for each separate device. No substitutions allowed for the manufacturer or model numbers specified in the specifications.

(Photoelectric) COMBINATION CARBON MONOXIDE & SMOKE ALARMS

ALLOWANCE: Not to exceed \$ 89.00 dollars for each separate device.

Non Deleading

LOCATIONS LISTED BELOW:

1. One in the first floor hallway outside the bedroom at the bottom of the stairway.

Install Kidde Firex AC Wire-in Combination Carbon Monoxide & Smoke Detectors model number KN-COPE-I with alarm/voice message warning system as directed by the Fire Department. Contractor to obtain approval for type and location of alarm devices from the Fire Department prior to the commencement of work. Installation shall conform to the provisions set in the NFPA most current code and ordinances, as well as all State and local codes. Exposed wire mold, conduit or piping is not allowed unless approved in writing by the Rehabilitation Specialist. Contractors to provide an allowance not to exceed the allowance listed above for each separate device. No substitutions allowed for the manufacturer or model numbers specified in the specifications.

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means “similar or equal with prior written approval from the Rehabilitation Specialist and Owner.

Note: Contractor responsible for installing dual sensor ionization & photoelectric type smoke alarms if location is further than 20 feet from the Kitchen or a Bathroom with a shower, and photoelectric type smoke detectors if location is within 20 feet of the kitchen or a Bathroom with a shower

(Ionization & Photoelectric) DUAL SENSOR SMOKE ALARMS

ALLOWANCE: Not to exceed \$ 59.00 dollars for each separate device.

Non Deleading

LOCATIONS LISTED BELOW:

1. One in the second floor left rear bedroom.
2. One in the second floor right rear bedroom.
3. One in the second floor right front bedroom.
4. One in the second floor hallway at the top of the stairs.
5. One in the basement.

Install Kidde Firex PI2010 new hardwired dual sensor smoke alarms with battery backup as directed by the Fire Department. Contractor to obtain approval for type and location of alarm devices from the Fire Department prior to the commencement of work. Installation shall conform to the provisions set in the NFPA most current code and ordinances, as well as all State and local codes. Exposed wire mold, conduit or piping is not allowed unless approved in writing by the Rehabilitation Specialist.

Note: Contractor responsible for installing dual sensor ionization & photoelectric type smoke alarms if location is further than 20 feet from the Kitchen or a Bathroom with a shower, and photoelectric type smoke detectors if location is within 20 feet of the kitchen or a Bathroom with a shower

(Photoelectric) SMOKE ALARMS

ALLOWANCE: Not to exceed \$ 59.00 dollars for each separate device.

Non Deleading

LOCATIONS LISTED BELOW:

1. One in the first floor left rear bedroom.

Install Kidde Firex PE120PI2010 new hardwired dual sensor smoke alarms with battery backup as directed by the Fire Department. Contractor to obtain approval for type and location of alarm devices from the Fire Department prior to the commencement of work. Installation shall conform to the provisions set in the NFPA most current code and ordinances, as well as all State and local codes. Exposed wire mold, conduit or piping is not allowed unless approved in writing by the Rehabilitation Specialist.

Note: Contractor responsible for installing dual sensor ionization & photoelectric type smoke alarms if location is further than 20 feet from the Kitchen or a Bathroom with a shower, and photoelectric type smoke detectors if location is within 20 feet of the kitchen or a Bathroom with a shower.

NOTE: The Contractor is responsible for counting and taking measurements to complete the entire scope of work.

Symbol key = * means “similar or equal with prior written approval from the Rehabilitation Specialist and Owner.